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1609
#2

RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/771,009

DATE: 04/26/2001
TIME: 11:29:19

Input Set : A:\00801017200US00.txt
Output Set: N:\CRF3\04262001\I771009.raw

ENTERED

RECEIVED

MAY 09 2001

TECH CENTER 1600/2900

4 <110> APPLICANT: HOLZBERG, STEVEN P.
5 POGUE, GREGORY P.
7 <120> TITLE OF INVENTION: CYTOPLASMIC INHIBITION OF GENE
8 EXPRESSION AND EXPRESSION OF A FOREIGN PROTEIN IN A MONOCOT
9 PLANT BY A PLANT VIRAL VECTOR
11 <130> FILE REFERENCE: 0801017200US00
C--> 13 <140> CURRENT APPLICATION NUMBER: US/09/771,009
14 <141> CURRENT FILING DATE: 2001-01-25
16 <160> NUMBER OF SEQ ID NOS: 74
18 <170> SOFTWARE: FastSEQ for Windows Version 4.0
20 <210> SEQ ID NO: 1
21 <211> LENGTH: 17
22 <212> TYPE: PRT
23 <213> ORGANISM: Coxsackie virus
25 <400> SEQUENCE: 1
26 Asn Phe Asp Leu Leu Lys Leu Ala Gly Asp Val Glu Ser Asn Pro Gly
27 1 5 10 15
28 Pro
31 <210> SEQ ID NO: 2
32 <211> LENGTH: 20
33 <212> TYPE: PRT
34 <213> ORGANISM: Coxsackie virus
36 <400> SEQUENCE: 2
37 Gln Leu Leu Asn Phe Asp Leu Leu Lys Leu Ala Gly Asp Val Glu Ser
38 1 5 10 15
39 Asn Leu Gly Pro
40 20
42 <210> SEQ ID NO: 3
43 <211> LENGTH: 20
44 <212> TYPE: PRT
45 <213> ORGANISM: Coxsackie virus
47 <400> SEQUENCE: 3
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49 1 5 10 15
50 Asn Pro Arg Pro
51 20
53 <210> SEQ ID NO: 4
54 <211> LENGTH: 20
55 <212> TYPE: PRT
56 <213> ORGANISM: Coxsackie virus
58 <400> SEQUENCE: 4
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60 1 5 10 15
61 Asn Pro Gly Pro
62 20
64 <210> SEQ ID NO: 5
65 <211> LENGTH: 20

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66 <212> TYPE: PRT
67 <213> ORGANISM: Coxsackie virus
69 <400> SEQUENCE: 5
70 Gln Thr Leu Asn Phe Asp Leu Leu Lys Leu Ala Gly Asp Val Glu Ser
71 1 5 10 15
72 Asn Pro Gly Pro
73 20
75 <210> SEQ ID NO: 6
76 <211> LENGTH: 20
77 <212> TYPE: PRT
78 <213> ORGANISM: Coxsackie virus
80 <400> SEQUENCE: 6
81 Gln Leu Leu Asn Phe Asp Leu Leu Lys Leu Ala Gly Asp Val Glu Ser
82 1 5 10 15
83 Asn Pro Gly Pro
84 20
86 <210> SEQ ID NO: 7
87 <211> LENGTH: 20
88 <212> TYPE: PRT
89 <213> ORGANISM: Coxsackie virus
91 <400> SEQUENCE: 7
92 His Tyr Ala Gly Tyr Phe Ala Asp Leu Leu Ile His Asp Ile Glu Thr
93 1 5 10 15
94 Asn Pro Gly Pro
95 20
97 <210> SEQ ID NO: 8
98 <211> LENGTH: 20
99 <212> TYPE: PRT
100 <213> ORGANISM: Coxsackie virus
102 <400> SEQUENCE: 8
103 His Tyr Ala Gly Tyr Phe Ser Asp Leu Leu Ile His Asp Val Glu Thr
104 1 5 10 15
105 Asn Pro Gly Pro
106 20
108 <210> SEQ ID NO: 9
109 <211> LENGTH: 20
110 <212> TYPE: PRT
111 <213> ORGANISM: Coxsackie virus
113 <400> SEQUENCE: 9
114 Tyr His Ala Asp Tyr Tyr Lys Gln Arg Leu Ile His Asp Val Glu Met
115 1 5 10 15
116 Asn Pro Gly Pro
117 20
119 <210> SEQ ID NO: 10
120 <211> LENGTH: 19
121 <212> TYPE: PRT
122 <213> ORGANISM: Coxsackie virus
124 <400> SEQUENCE: 10
125 Gln Leu Leu Asn Phe Asp Leu Leu Lys Leu Ala Gly Asp Val Glu Ser

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126 1	5	10	15
127 Asn Pro Gly			
130 <210> SEQ ID NO: 11			
131 <211> LENGTH: 28			
132 <212> TYPE: DNA			
133 <213> ORGANISM: Barley stripe mosaic virus			
135 <400> SEQUENCE: 11			
136 cttcttcgt tgcttagctaa aaaaaaaaaa			28
138 <210> SEQ ID NO: 12			
139 <211> LENGTH: 21			
140 <212> TYPE: DNA			
141 <213> ORGANISM: Barley stripe mosaic virus			
143 <400> SEQUENCE: 12			
144 agttacttct tgaatttctc c			21
146 <210> SEQ ID NO: 13			
147 <211> LENGTH: 39			
148 <212> TYPE: DNA			
149 <213> ORGANISM: Barley stripe mosaic virus			
151 <400> SEQUENCE: 13			
152 tatagcgcgc atttaaattt gtcttcctt gggggaccg			39
154 <210> SEQ ID NO: 14			
155 <211> LENGTH: 49			
156 <212> TYPE: DNA			
157 <213> ORGANISM: Saccharomyces cerevisiae			
159 <400> SEQUENCE: 14			
160 tatgcttagct gattaattaa gtcgacgagc tgatttaaca aatttttaac			49
162 <210> SEQ ID NO: 15			
163 <211> LENGTH: 44			
164 <212> TYPE: DNA			
165 <213> ORGANISM: Saccharomyces cerevisiae			
167 <400> SEQUENCE: 15			
168 tatgcttagct gagcggccgc gcacgtgtca gtcctgctcc tcgg			44
170 <210> SEQ ID NO: 16			
171 <211> LENGTH: 46			
172 <212> TYPE: DNA			
173 <213> ORGANISM: Barley stripe mosaic virus			
175 <400> SEQUENCE: 16			
176 tatacttagtt taattaaatgc gaccatggct agcaaaggag aagaac			46
178 <210> SEQ ID NO: 17			
179 <211> LENGTH: 44			
180 <212> TYPE: DNA			
181 <213> ORGANISM: Barley stripe mosaic virus			
183 <400> SEQUENCE: 17			
184 tatacttagtt gagcggccgc ttattttag agctcatcca tgcc			44
186 <210> SEQ ID NO: 18			
187 <211> LENGTH: 43			
188 <212> TYPE: DNA			
189 <213> ORGANISM: Barley stripe mosaic			
191 <400> SEQUENCE: 18			

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Input Set : A:\00801017200US00.txt
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192 tatagagctc tacaaatcta gaatggctac tttctcttgt gtg	43
194 <210> SEQ ID NO: 19	
195 <211> LENGTH: 21	
196 <212> TYPE: DNA	
197 <213> ORGANISM: Barley stripe mosaic virus	
199 <400> SEQUENCE: 19	
200 agagtcgtt aagattcatg g	21
202 <210> SEQ ID NO: 20	
203 <211> LENGTH: 30	
204 <212> TYPE: DNA	
205 <213> ORGANISM: Tobacco mosaic virus	
207 <400> SEQUENCE: 20	
208 cattaattaa gatgatggct agcaaaggag	30
210 <210> SEQ ID NO: 21	
211 <211> LENGTH: 112	
212 <212> TYPE: DNA	
213 <213> ORGANISM: Tobacco mosaic virus	
215 <400> SEQUENCE: 21	
216 atatctagac ctaggaccag gtttagattc cacgtcaccc gccaacttca gcaaattcaaa	60
217 attcaacagc tgttttaga gctcagcgc cgccctgtat agctcatcca tg	112
219 <210> SEQ ID NO: 22	
220 <211> LENGTH: 98	
221 <212> TYPE: DNA	
222 <213> ORGANISM: Tobacco mosaic virus	
224 <400> SEQUENCE: 22	
225 tatactagt agctttgaa ttttgatttg ctgaagttgg cgggtgacgt ggaatctaacc	60
226 cctggtcctg tcgacaaaagg agaagaacct ttcactgg	98
228 <210> SEQ ID NO: 23	
229 <211> LENGTH: 49	
230 <212> TYPE: DNA	
231 <213> ORGANISM: Tobacco mosaic virus	
233 <400> SEQUENCE: 23	
234 tatgctagcg atcaatttgc gcccgttat ttgttagagct catccatgc	49
236 <210> SEQ ID NO: 24	
237 <211> LENGTH: 39	
238 <212> TYPE: DNA	
239 <213> ORGANISM: Homo sapiens	
241 <400> SEQUENCE: 24	
242 gcccgttat ccgtatgtt ttccggatta tgccgagct	39
244 <210> SEQ ID NO: 25	
245 <211> LENGTH: 31	
246 <212> TYPE: DNA	
247 <213> ORGANISM: Homo sapiens	
249 <400> SEQUENCE: 25	
250 cggcataatc cggaacatca tacggataag c	31
252 <210> SEQ ID NO: 26	
253 <211> LENGTH: 42	
254 <212> TYPE: DNA	
255 <213> ORGANISM: Chicken	

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257 <400> SEQUENCE: 26	
258 gcccgctgaa caaaagctta tctctgagga agatcttgag ct	42
260 <210> SEQ ID NO: 27	
261 <211> LENGTH: 34	
262 <212> TYPE: DNA	
263 <213> ORGANISM: Chicken	
265 <400> SEQUENCE: 27	
266 caagatcttc ctcagagata agctttgtt cagc	34
268 <210> SEQ ID NO: 28	
269 <211> LENGTH: 39	
270 <212> TYPE: DNA	
271 <213> ORGANISM: Cnidaria	
273 <400> SEQUENCE: 28	
274 gcccgctcat catcaccatc accatcacca tcacgagct	39
276 <210> SEQ ID NO: 29	
277 <211> LENGTH: 31	
278 <212> TYPE: DNA	
279 <213> ORGANISM: Cnidaria	
281 <400> SEQUENCE: 29	
282 cgtgtatgggt atgggtatgg tgatgtatgag c	31
284 <210> SEQ ID NO: 30	
285 <211> LENGTH: 32	
286 <212> TYPE: DNA	
287 <213> ORGANISM: Brome mosaic virus	
289 <400> SEQUENCE: 30	
290 tatttaatta agatgtcgac ttcaggaact gg	32
292 <210> SEQ ID NO: 31	
293 <211> LENGTH: 30	
294 <212> TYPE: DNA	
295 <213> ORGANISM: Brome mosaic virus	
297 <400> SEQUENCE: 31	
298 tatgcggccg ccctataaag cggggtaaag	30
300 <210> SEQ ID NO: 32	
301 <211> LENGTH: 33	
302 <212> TYPE: DNA	
303 <213> ORGANISM: Chicken	
305 <400> SEQUENCE: 32	
306 tatttaatta agatgacttg ccagacttac aac	33
308 <210> SEQ ID NO: 33	
309 <211> LENGTH: 31	
310 <212> TYPE: DNA	
311 <213> ORGANISM: Chicken	
313 <400> SEQUENCE: 33	
314 tatgcggccg cgcaatttca ttcctctga g	31
316 <210> SEQ ID NO: 34	
317 <211> LENGTH: 34	
318 <212> TYPE: DNA	
319 <213> ORGANISM: Bovine	
321 <400> SEQUENCE: 34	

VERIFICATION SUMMARY
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L:13 M:270 C: Current Application Number differs, Replaced Current Application Number